

Shahid Hameed Chaudhary

Full Stack Developer

Islamabad, Pakistan | shahidhameed.work@gmail.com | +92 341 444 8638

Summary

Results-driven Software Engineer with over 4 years of experience in full-stack development and DevOps. Skilled in building scalable systems, optimizing both backend and frontend architectures, and driving cloud-based infrastructure improvements. My strong problem-solving abilities, combined with a passion for continuous learning, make me a valuable asset to any software engineering team.

Skills

Languages: TypeScript / JavaScript, Python, C++, Java

Frameworks/Tools: Node.js, React, Electron, Flask, NEST, GraphQL, Docker, Kubernetes, Jenkins

Cloud Platforms: AWS, GCP, Azure, Digital Ocean

Databases: PostgreSQL, MongoDB, MySQL, DocumentDB, Redis, S3

CI/CD: GitHub Actions, AWS ECS, Jenkins

Other Tools: Firebase, Azure Functions, Service Bus

Experience

Sr. Software Engineer, NESL-IT

April 2024 – Present

- Building a platform for **real-time interactive wall displays**, with robust **CMS** capabilities.
- Focused on frontend development using React, integrated with Electron for the desktop app, and utilized NEST, GraphQL, REST, Azure functions, and service buses for backend services.
- An extensive work over active replication, invalidation of Document Databases for applications.
- Mentored, managed, and provided valuable feedback to Dev Degree interns, facilitating their growth and skill development.

Tech & Ops Consultant, ANREAD

Mar 2024 – Present

- **CryptoVerse:** Migrated databases for 3 web applications, addressing **InnoDB** corruption and server downtime. Recreated databases from raw files, fixed InnoDB issues, created database dumps, and upgraded to stable versions. Solved all Linux-based permission issues, decoupled architecture, and set up automated database snapshots for backups. Converted PHP websites into React frontends with FastAPI backends, and implemented proxy protection against DNS attacks.
- **BuildWise:** Led the end-to-end development of the CRM system for BuildWise, a consultation management software. Involved from initial requirements gathering through to deployment, performing all software engineering work and defining the brand identity.
- **AmmarPak:** Assisted in the architectural planning and development of a cloud-based POS system for **15+ AmmarPak retail chains**. Helped ensure smooth database synchronization across chains and advised on the implementation of desktop applications with active sync functionality.

Full Stack Developer, Techception Official

Feb 2023 – Mar 2024 (1 year 2 months)

- Developed SaaS-based full-stack solutions in the MERN stack and AWS ecosystem.
- Scaled lead distribution platform to handle **230M+ active leads** to Realtors in the US.
- Led Backend Development of Reprosify.com and MuzzBizz from Architecture to Production Releases.
- Setup auto-deployment Pipelines on AWS for Code, build, test, and releases, while maintaining serverless deployment over ECS Clusters.
- Identified bloated Docker images as a deployment bottleneck. Implemented multi-stage builds, achieving an 86% size reduction and significantly faster deployments.
- Leveraged safe raw queries for internal operations and cron jobs, optimizing solutions from **15 Minutes to mil-**

liseconds latency.

- Used best practices like indexing for fields, raw getters to bypass ORM latencies, and the Principle of Least Privilege in data getters.
- Scripted using Python to do schema conversion and insert bulk data into AWS RDS with **maximum resiliency and no loss or duplication of data**.

Software Engineer, ELITE IT

Nov 2021 – Feb 2023 (1 year 4 months)

- Managed backend and DevOps for Drivewave, a ride-hailing service, streamlining the custom booking flow for companies in the UAE.
- Developed server-side algorithms for distance calculations and area avoidance, and worked with databases such as MySQL, MongoDB, and PostgreSQL.
- Collaborated with QA, development, and business teams to complete comprehensive testing (Unit, Integration, E2E) on major software releases.
- Discovered, debugged, and resolved major bugs, leading to a strategic pivot that expanded the client's customer base significantly.
- Implemented advanced data fetching techniques using Redis and maintained cache invalidation.
- Utilized Firebase for authentication and for storing media content associated with various modules.

Software Engineer II, Vintage Solutions

Feb 2020 – Nov 2021 (1 year 10 months)

- Managed enterprise-level projects in MERN stack while collaborating with cross-functional teams to obtain highly scalable and efficient solutions in Node.js and React.
- Performed an in-depth comparison using fit-gap analysis between functional and non-functional requirements of building workflows, saving 4 months of development time.
- Created automated pipelines for development using GitHub Actions and Docker Hub over EC2.
- Created workflow triggers using the React ecosystem, which helped scale the product 20% faster, saving 1 month of the development cycle.
- Applied cost-benefit analysis to implement security and compliance tests, ensuring scalability and compliance.

Education

Bachelor's Degree, Software Engineering

FAST National University of Computer and Emerging Sciences

Licenses & Certifications

AWS Certified Solutions Architect – Associate, Amazon Web Services (AWS)

Issued Feb 2024 – Expires Feb 2027

Credential ID: 0679f58a-c6b9-42bd-aba1-bec611aca336